

ACC NR: AT7001357

ideal inductor are discussed. The forces acting on a conducting cylinder in the field of a real inductor and on a conducting sphere in the field of a cylindrical inductor are also briefly evaluated. Orig. art. has: 13 figures and 34 formulas.

SUB CODE: 20, 09/ SUBM DATE: 22Jul66/ ORIG REF: 021/ OTH REF: 001

Card 2/2

KRUMIN, Zh.K., inzh.; LOGANOV, V.N., inzh.

Automatic control devices used in the manufacture of sewing
needles. Trudy VNIINMASH no.1:163-176 '59. (MIRA 13:5)
(Pins and needles) (Automatic control)

9,7100

39002
S/105/62/000/007/002/004
E200/E135

AUTHORS: Gorushkin, V.I., Doctor of Technical Sciences;
Krumina, A.A., Engineer; and
Latysheva, T.S., Engineer

TITLE: On extending the range of problems solvable by means
of small digital computers

PERIODICAL: Elektrichestvo, no.7, 1962, 28-29

TEXT: The difficulties connected with the strict limitation
of the range of numbers in small computers may be avoided to a
great extent by resorting to operations over numbers represented
in "normal form". Any number in normal form is represented as

$$x = q_x 2^{p_x} \quad (1)$$

where $1/2 \leq q_x < 1$; q_x is the mantissa, p_x is the order of
magnitude. The number represented in such form is recorded in
two adjacent memory storage cells of the computer: in one cell
one records the mantissa q_x and the other $p_x \cdot 2^{-30}$.

Card 1/4

32622

On extending the range of problems... S/105/62/000/007/002/004
E200/E135

All arithmetic operations may be carried out over numbers represented in normal form. However, in most machines there are no commands for such operations. The arithmetic operations with such numbers are carried out by means of special programs. The rules for carrying out arithmetic operations over numbers represented in normal form are given below. Addition is carried out as follows: say the numbers $A = q_A \cdot 2^{P_A}$ and $B = q_B \cdot 2^{P_B}$

are to be added. First one equates the orders and the difference $P_A - P_B$ is found. Then if $P_A - P_B < 0$, then q_A is multiplied by $2^{(P_A - P_B)}$ and added to q_B :

$$\begin{aligned} C &= A + B = q_A \cdot 2^{P_A} + q_B \cdot 2^{P_B} = \\ &= (q_A \cdot 2^{P_A - P_B}) \cdot 2^{P_B} + q_B \cdot 2^{P_B} = \\ &= (q_A \cdot 2^{P_A - P_B} + q_B) \cdot 2^{P_B} = q_C \cdot 2^{P_C}. \end{aligned} \quad (2)$$

Card 2/4

32026

S/105/62/000/007/002/004

E200/E135

On extending the range of problems...

If $p_A - p_B > 0$ then q_B is multiplied by $2^{p_B - p_A}$ and is added to q_A :

$$\begin{aligned} C = A + B &= q_A 2^{p_A} + q_B 2^{p_B} = q_A 2^{p_A} + \\ &+ (q_B 2^{p_B - p_A}) 2^{p_A} = (q_B - p_A) 2^{p_A} = \\ &= (q_A + q_B 2^{p_B - p_A}) 2^{p_A} = q_C 2^{p_C}. \end{aligned} \quad (3)$$

For multiplication the mantissas are multiplied together and the orders are added:

$$A \cdot B = (q_A 2^{p_A})(q_B 2^{p_B}) = (q_A q_B) 2^{p_A + p_B}. \quad (4)$$

Division is carried out thus:

$$\frac{A}{B} = \frac{q_A 2^{p_A}}{q_B 2^{p_B}} = \frac{q_A}{q_B} 2^{p_A - p_B} = q_C 2^{p_C} \quad (5)$$

Card 3/4

On extending the range of problems...

39028
S/105/62/000/007/002/004
E200/E135

Programs for multiplication and division are written directly in the base program. The program for addition and subtraction is used as an independent routine. The method described above makes it possible to use fixed point computers of type M-3 (M-3) to carry out operations over numbers lying between the limits of

$2^{-2^{30}}$ and $2^{2^{30}}$ or approximately between $10^{-300\ 000\ 000}$ and $10^{300\ 000\ 000}$ (the machines "Strela" and "Ural-2" operate with numbers in the range from 10^{-19} to 10^{19}). Thus it is possible to "transform" a fixed point computer into a floating point one.

ASSOCIATION: Energeticheskii institut im. Krzhizhanovskogo
(Power Engineering Institute imeni Krzhizhanovskiy)

SUBMITTED: September 25, 1961

Card 4/4

U S S R .

IV Mechanism of action of a new antituberculous drug—tubazid. Influence of tubazid on some types of tuberculous infection caused by *Mycobacterium tuberculosis* (Mikol'skaya, Riga, Latvia). *Zhurnal P'rikladnoi Meditsiny* 1954, No. 9 (Whole No. 59), 100-102 (Russian). (Abstract summary 112-134 of C.A.B. 133775.) In tests on guinea pigs, single (80 mg. per kg.) or multiple (10 mg. per kg. per day for 29 days) intraperitoneal injections of tubazid caused no significant changes in liver weight, sedimentation reaction and index of the peripheral blood. Prothrombin coagulation time increased by 70% after the single injections, but decreased by 70% in the repeated injections. III Influence of tubazid on blood sugar as related to the mode of administration. I. Gaidner, B. Pechersky, G. Morgula, and H. Gersht (Med. Inst., Riga, Latvia). *Ibid.* 114-118 (in Russian).—Tubazid caused little change in the level of blood sugar when administered intraperitoneally to rabbits and guinea pigs in amounts of 100 mg. per kg. and caused slight hypoglycemia when given subcutaneously, but slight hyperglycemia when given orally. Convulsions observed sometimes were not caused by a hypoglycemia. Andrew L. Kovalev.

А.И.И.И.И.И.
AFONSKAYA, R.I.; KRUMINA, M.K.

Biology of Ussurian tigers. Sbor. trud. Mosk. zoop. no.1:51-60 '56.
(Moscow--Tigers) (MIRA 10:11)

AFONSKAYA, R.I.; KHRUMINA, M.K.

Observations on polar bears. Sbor. st. Mosk. zool. no.2:56-63
'58. (MIRA 11:12)

(Bears)

KRUMINA, H.N., inzhener.

The technology of jet propulsion and jet propulsion engines. Politekh.
obuch. no. 5:47-59 My '57. (MIRA 10:6)
(Jet propulsion)

~~SECRET, V. A.~~

"Automation Devices at the Kogumskaya Hydroelectric Power Plant and Experience in their Operation." p. 58

in book - New Developments in the Design of Electric Equipment for Hydroelectric Power Plants, 1957. 222 p. Moscow-Leningrad, Gosenergoizdat.
(Data on the Conference on Design and Operation, Moscow, 16-24 May 1956.)

Kronecker, A. A. estimate
the number of periodic
solutions of systems
of equations
for the case of
autonomous systems
that one may expect
to find, and of a family
periodic and of systems
system has a unique
for a small Poincaré
Ann 113 292 103 11, 14 p. 11.
author calculates an estimate
verge of the known
 $X(t, A)$

KRUMING, A.A.

Evaluating the interval of changes of a small parameter contained
in the right sides of a system of differential equations having
periodic solutions. Uch. zap. MOPI 39 no.3:61-66 '56.
(Differential equations) (MLRA 10:4)

KRUMING, A.A.

Univalent mappings of a unit bicylinder. Uch. zap. MOPI 57
no.4:29-32 '57.

(MIRA 11:6)

(Functions of complex variables)

KRUMHOLTZ, A.A.

Analogue of the interior area theorem for the pseudoconformal mapping
of a unit bicylinder. Uch. zap. MOPI 57 no.4:39-42 '57. (MIRA 11:6)
(Functions, Analytic) (Conformal mapping)

KRUMING, A.A.

Orthogonal systems and nuclear functions with weight for functions
of two complex variables. Uch. zap. MCPI 96:157-170 '60.

(MIRA 16:7)

(Functions of several variables)

(Weight functions)

KRUMING, P.D.

Divisibility in topologic semigroups. Uch. zap. Ped. inst. Gerts.
183:271-275 '58. (MIRA 13:8)
(Topology) (Groups, Theory of)

KRUMING, P.D.

Descending sequences of subsemigroups in topological semigroups.
Uch.zap.Ped.inst.Gerts. 218:39-43 '61. (MIRA 14:10)
(Topology)

KRUMING, P.D.

Distribution of idempotent quantities in topological semigroups.

Uch.zap.Ped.inst.Gerts. 218145-48 '61.

(MIRA 14:10)

(Topology)

KRUMING, P.D.

The l- r semigroups. Uch. zap. Ped. inst. Gerts. 238:89-94 '62.
(Groups, Theory of) (Topology) (MIRA 16:4)

KRUMING, P.D.

Factor-semigroups of topological semigroups. Uch.zap.Ped.inst.
Gerts. 238:95-101 '62. (MIRA 16:4)
(Groups, Theory of) (Topology)

KRUMING, P.D. (Leningrad)

Structurally ordered semigroups. Izv. vys. ucheb. zav.; mat.
no. 6:78-87 '64. (MIRA 18:3)

1951, A.K.

1951, A.K. Riga. Moskva, Izd-vo Akademii arkhitckтуры SSSR, 1957. 47 p. 28
plates. (Sobremennaya Lodekstva narodov SSSR.) (Akademii arkhitckтуры SSSR.
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LC: HALL97.5K7

So: IC, Soviet Geography, Part II, 1951/Unclassified

1. A. KROMINS, Acad.
2. USSR (600)
4. Architecture - Riga
7. Architectural heritage of Riga. Latv. PSR Zin. Akad. Vestis no. 12. 1951.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

DECLAV, Fritsis [Deglavs, Fricis Jura d.]; KRUMINS, E., red.; KLUMELIS, A.,
tekh. red.

[Selected works in two volumes] Rakstu izlase divos sejumov. Riga,
Latvijas Valsts izdevnieciba. [In Latvian]. Vol.2. 1960. 305 p.
(MIRA 14:12)

(Latvia--Economic conditions)

KRUMINS, J.

Problem about a conducting cylinder, in a rotating magnetic field of a cylinder inductor. In Russian. p. 59.

LATVIAS PSR ZINATNU AKADEMIJA. VESTIS. RIGA, LATVIA. No. 7, 1959

Monthly List of East European Accessions. (EEAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

Organic matter and nitrogen in the soils of Lettvia. K. Homberg and K. Krumpholtz. *Acta Univ. Laticnie Loh-
nigmetrische Mittell. Btr. I. No. 4-9, 150-176 (1930).* --As
the reaction of arable soils, forest soils and meadow soils
became more acid, the org. N decreased and the ratio of C
to N increased. An increased content of org. matter was
accompanied by a lower percentage of N in the org. matter.
The org. N of the subsoil was in general higher than the
org. N of the surface soil. An exception to this was found
in soils with orstein or "Ordeer" formations where the sur-
face soil org. matter had been increased through cultiva-
tion. No conclusions could be drawn regarding the forma-
tion of humus from the org. matter through the org. matter
sol. in 2% NaOH soln. because of the soly. of undecomposed
or only partly decomposed plant materials such as fats, wa-
like compds. and carbohydrates. K. C. Thomsen

[illegible]

15

CA

15

THE BROWN SOILS OF LATVIA. K. Krummuh. *Pedology*
(U.S.S.R.) 1947, 400-91(English summary). Chem

analyses of brown and paludized soils are given. The
brown soils form generally on parent material rich in lime,
in sections of lowest rainfall, and in soils that would permit
capillary ascent of moisture. I. N. Ioffe

ASS-11.4 METALLURGICAL LITERATURE CLASSIFICATION

... .., ..

25016 K.B. IN'GH, K. Broziya Pochvy V. Litvii. Arady Kuchayevoy. Sogoli Fosvyashch
Stoletiyu So dnya Rozhdeniya Dokuchayeva. M. - L., 1947, S. 484-87

SO: Letopis', No. 33, 1949

1. KUMINS, K.
2. USSR (600)
4. Latvia - Agriculture
7. Problems of soil science in connection with introduction of grassland agriculture in the Latvian S. S. R. Latv. PSR Zin. Akad Vestis no. 12 1950

Monthly Lists of Russian Accessions, Library of Congress, March, 1953, Unclassified.

KRUMIN'SH, K.

"The soils of Europe "[in English] by W. Kubiena. Reviewed by
K. Krumin'sh. Pochvovedenie 11:76-83 N '56. (MLRA 10:2)

(Europe--Soils)

(Kubiena, W.)

KRUMIN'SH, K. [Krumins, K.]

Report of the Latvian branch of the All-Union Society of Soil
Scientists for 1957. Pochvovedenie no.8:144 Ag '58. (MIRA 11:9)
(Latvia--Soils)

KRUMIN'SH, K.A. [Krumins, E.], prof., civ. red.

[Reports] Doklady. Jelgava, Latviiskii filial Vses.
ob-shch. nauch.-issled. inst. pochvovedov, 1964. 82 p. (MIRA 18:7)

1. International Congress of Soil Science. 8th, Bucharest,
1964. 2. Latviyskaya sel'skokhozyaystvennaya akademiya,
predsedatel' Latviyskogo filiala Vsesoyunnogo obshchestva
pochvovedov.

KRUMINYA, U.Ya., Cand Biol Sci -- (diss) "Embryonal development
of suprarenal glands in human and certain mammal animals."
Riga, 1959. 20 pp with ill. (Min of Higher Education USSR.
Latvian State Univ P. Stuchka). 170 copies (IL,40-59, 103)

19

SUBMITTED: 03Jun63

ENCL: 00

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

KRUML, Cenek, inz.

A new type of folding boxes for materials and products up to 300 kg. Drevo 17 no.12:373-375 D '62.

1. Stredoceske drevarske zavody, Praha.

KRUML, F.

Measuring deformations inside concrete by resistance tensiometers.
p. 610.
TECHNICKA PRACA, Bratislava, Vol. 6, no. 10, Oct. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Uncl.

KRUML, F.

Problems concerning the tensiometric measurement of gravitation in dams.

p. 54
Vol. 3, no. 1, 1955
STAVEBNICKY CASOPIS
Bratislava

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 3
March 1956

KRUML, F.

KRUML, F. The time factor involved in the examination of strains in reinforced concrete beams. p. 130, Vol 4, no 2, 1956 STAVEBNICKY CASOPIS Bratislava, Czechoslovakia

SOURCE: East European Accessions List (EEAL) Vol. 6, no. 4--April 1957

CZECHOSLOVAKIA / Chemical Technology, Chemical Products and Their H-13
Application. Ceramics. Glass. Binding Materials.
Concrete.

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 16309*

Author : Kruml, F.

Inst : Not given

Title : Light Concretes with Artificial Fillers ("Keramzitobeton")

Orig Pub : Starvebn. casop., 1958, 6, No 3, 146-154

Abstract : Porosity, absorptive capacity (basis water) and other properties of several grades of "keramzite" of 390-830 kg/m³ density are reviewed. Light concretes incorporating "keramzites" as fillers, depending on their structure, are divided into two groups: porous (I) that contain <35 vol% of cement (C), and dense (II) with >40% C.

*Marked 16390

Card 1/2

CZECHOSLOVAKIA / Chemical Technology, Chemical Products and Their H-13
Application. Ceramics. Glass. Binding Materials.
Concrete.

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 16309*

Formulas for the calculation of I and II while employing
various grades of "keramzite" fillers are proposed. Data
pertaining to tensile strength, modulus of elasticity
and other properties for the light concretes are given. --
Ya. Satunovskiy

*Marked 16390

Card 2/2

H-41

KRUML, Frantisek, inz., SoC.; KOMLOS, Karol, inz., SoC.

International Conference "New Information on Increasing the
Quality of Concrete and its Testing" in Leipzig. Stav cas
11 no.4:293-294 '63.

1. Ceskoslovenska akademie ved, Ustav stavebnictva a
architektury, Slovenska akademie vied, Bratislava.

KRUML, Frantisek, inz. CSc.

Long-lasting deformation properties of light concretes
(shrinkage and hygrometric changes). Stav cas 12 no. 7:
402-413 '64.

1. Institute of Building and Architecture, Slovak Academy of
Sciences, Bratislava.

KRIST, Frantisek, Ing.: KOMLO, Jozef, Ing.

International symposium on the method of field testing of
concrete mechanical properties. Stav cas 13 no.2:119-120 '65.

1. Institute of Building and Architecture of the Slovak Academy
of Sciences, Bratislava.

KRUML, Frantisek, inz. CSc.

Long-lasting deformation properties of light concretes. Stav
cas 13 no.3:137-144, '65.

1. Institute of Building and Architecture of the Slovak Academy
of Sciences, Bratislava. Submitted December 20, 1963.

SVEJCAR, J.; FREROVSKY, I.; LINHART, J.; KRUML, J.

Chemical composition of the venous wall of normal veins and primary varicose veins. Rev. czech. med. 11 no.13 63-69 '65

1. Central Biochemical Laboratory, Thomayer Hospital, Institute for Cardiovascular Research and Bulovka Hospital, Prague.

KRUML, J.

Effect of a centrifugal force on the moisture content of wood. p. 47.

DREVARSKY VYSKUM, Bratislava, Czechoslovakia, Vol. 4, No. 1, June, 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 10,
Oct. 1959
Uncl.

KRUML, J. ; PLOCEK, L.; KREJZOVA, E,

A further contribution to the analysis of aluminum oxide. p. 244.

SYLAR A KERAMIK. (Ministerstvo lehkého průmyslu) Praha, Czechoslovakia,
Vol. 9, no. 8, Aug. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1,
Jan. 1960.

Uncl.

KRUML, J.

5

CZECHOSLOVAKIA

TOMANEK, A; BOLECEK, O., MD; KRUML, J; ROUBKOVA, H;
PREBOROVSKY, P., MD.

1. Research Institute of Tuberculosis (Vyzkumny ustav tuberkulose), Prague; 2. Tuberculosis Ward of the Hospital OUNZ (Tuberkulozni oddeleni nemocnice OUNZ), Liberec (for Bolecek); 3. Pathological-anatomical Ward UDL (Patologicke-anatomicke oddeleni nemocnice), Prague-Bulovka; 4. Pathological-anatomical Ward UDL (Patologicke-anatomicke oddeleni nemocnice), Prague; 5. Tuberculosis Ward UVN (Tuberkulozni oddeleni UVN), Prague (for Preborovsky)

Prague, Rozhledy v Tuberkulose, No 3, 1963, pp 167-172

"Osteochondroplastic Tracheopathy."

MARATKA, Z.; KRUML, J.

Aberrant pancreas. 2 cases simulating polypous tumor in the stomach and duodenum. Cesk. gastroent. vyz. 17 no.1:3-5
Ja '63.

1. II vnitřní oddělení nemocnice v Praze na Bulovce, přednosta doc. dr. Z. Maratka Patologickoanatomické odd. nemocnice v Praze na Bulovce, přednosta doc. dr. J. Víklíček.

(PANCREAS) (STOMACH NEOPLASMS)
(DUODENAL NEOPLASMS) (HYPOGLICEMIA)
(HEMATEMESIS) (LAPAROTOMY) (POLYPI)
(DIAGNOSIS, DIFFERENTIAL) (NEOPLASM DIAGNOSIS)

KHUML, J;PREROVSKY, I;TREFNY, Z;ZUFNICKOVA, J.

Slide method in culture of tubercle bacilli. Cas. lek. cesk.
89 no.30:841-844 28 July 1950. (CML 20:1)

1. Of the Bacteriological and Serological Department in Bulovce
(Head--J. Viklicky) and of the Institute for Clinical Physiology
of the Medical Faculty of Charles University, Work Group of V.
Kurti (Head--Prof. J. Skladal, M. D.).

MIROVSKY, Jiri, MUDr; TUMOVA, Bela, RNDr; KRUML, Jiri, MUDr

Acute stenosing laryngotracheobronchitis in children. I. Clinical and pathologico-anatomical picture. Pediat. listy, Praha 9 no.6: 333-335 Dec 54.

1. Z I. a II. oddel. infekcí klin. v Praze, predn. prof. Dr. Jaroslav Prochaska a doc. Dr. Vaclav Kredba. I. Ustavu epidemiol. a mikrobiol. ; reditel doc. Dr. Karel Raska. Z prosektury nemocnice na Bulovce; predn. prim. Dr. Josef Vilklicky

(LARYNGITIS

laryngotracheobronchitis stenosing in child., pathol.)

(TRACHEA, diseases

laryngotracheobronchitis stenosing in child., pathol.)

(BRONCHITIS

laryngotracheobronchitis, stenosing, in child., pathol.)

DOBIAS, J., Dr.; KRUML, I., Dr.; VIKLICKY, J., Dr.

Peripheral phlegm forming carcinoma of the lungs. Cas. lek.
cesk. 44 no.37:1000-1004 9 Sept 55.

1. Z prosektury na Bulovce, prednosta Dr. J. Viklicky.
(LUNGS, neoplasms
phlegm forming.)

EXCERPTA MEDICA Sec 15 Vol 9/8 Chest Dis. Aug. 56

1791. DOBIAŠ J., KRUML J. and VIKLICKY J. Prosekt. na Bulovce. *Periferi-
henoivorný karcinom plic. Periferous mucus secreting cancer
of the lung CAS. LEK. ČES. 1955, 94/37 (1000-1004) Ilus. 16
A report of 6 cases of 'alveolar cell carcinoma'. The tumours originated in a sub-
pleural area. In 2 cases the origin from scars after lung infarcts could be proved.
Dvořáček - Olomouc (V, 15, 16)

EXCERPTA MEDICA Sec 15 Vol. 10/8 Chest Diseases Aug 57

KRUMML J

Vojtek - Samperk (XV, 1)

2052. KALINA C., KRUMML J., SKRÍDLOVSKÁ E. and HLADÍKOVÁ V. Infek. Klin. a Prosekt. Nemocnice Bulovky, Praha VIII. *Kultivace Myco tbc na tkáňových kulturách. Culture of M. tuberculosis on tissue medium ROZHL. TUBERK. 1956, 16/4 (178-180) illus. 5

For quick demonstration of tb bacilli the tissue culture of the Maitland type was used. The best growth exhibited the human type H37Rv. The content of the culture was sedimented after 7 days and analysed by microscope. From the total of 136 primary cultivations 64 were positive in contrast with only 40 positive on the usual fluid medium after a period of 6 weeks. The results were confirmed by animal

2052

inoculation. It is of course necessary to establish the real value of this method on using it on a large scale in practice.

Vojtek - Šumperk (XV, 4*)

RIMAN, Josef; RYCHLIKOVA, Milena; VESALY, Jiri; KRUML, Jiri

Transmission by isolated cell particles of Crocker's sarcoma to C3H mice. Neoplasma, Bratisl. 5 no.1:13-19 1958.

1. Chemical Institute of the Czechoslovak Academy of Sciences, Department of Biochemistry, Prague. Institute of Biology of the Czechoslovak Academy of Sciences, Prague City Hospital Bulovka, Department of Pathology, Prague. Authors' address: Dr. J. Riman and co-workers, Chemický ústav CSAV, Praha 19, Na cvičišti 2.

(NEOPLASMS, exper.

transm. of Crocker's sarcoma to C3H mice by isolated cell particles)

EXCERPTA MEDICA Sec 16 Vol 7/9 Cancer Sept 59

*3712a. **Tumour metastases in the heart** KREML J. and WIDIMSKÝ J. Dept. of Pathol. Anat., Bulovka Hosp., Prague. *Neoplasma* 1959, 6:2 (193-211) Tables 3 Illus. 16
In 54 out of 200 cases with malignant tumours cardiac metastases were found by means of Willis' autopsy technique. Tumour emboli were not found at the site of origin of the coronary arteries. In destruction of the myocardium by metastases of melanoblastomas no disturbance of the cardiac function was observed. Implantation of a tumour in the endocardium was rather frequent (endocarditis neoplastica). Marantic endocarditis seems to favour the development of carcinomatous implantations. By haematogenous spread 24 (8.27%) metastases had developed. Cardiac metastases developed via coronary arteries in 13 cases, in 4 cases by implantation. In 7 cases metastases were only demonstrable by histological examination; in 6% the path of the metastasization was obscure. The tumorous affection of the heart is often accompanied by pericarditis. Cytological examination of the pericardiac fluid allows a diagnosis. In 5 patients involvement of the heart in the tumorous affection was suspected on clinical grounds. The ECG can indicate tumour metastases, especially if non-specific changes in the ST-T segment are present; the presence of cardiac insufficiency, persistent tachycardia, shortness of breath and cardiac irregularities should also be taken into consideration. The clinical diagnosis of the metastases, however difficult, is possible, especially if the pericardium is involved.

Klein - Bratislava (XVI, 5, 18)

HRADEC, J.; KHUML, J.

Carcinogenic activity of the growth factor from egg yolk and
its relation to endogenous carcinogens. Neoplasma, Bratisl.
7 no.1 suppl:98-102 '60.

(CARCINOGENS)
(EGG YOLK)

DOBIAS, J.; DVORSKY, K.; KRUML, J.; MACNEK, M.

Cerebrospinal form of paragonimiasis. Cesk. neur. 23 no.1/2:
48-52 Ja '60.

1. Pat. anat. odd. na Bulovce a UDL, Praha, predn. MUDr. J.
Viklicky; Pat. anat. odd. vseob. fakulty, Brno, predn. prof. MUDr.
J. Svejda; Bakteriolog. odd. na Bulovce, Praha, predn. doc. MUDr.
V. Wagner.

(DISTOMIASIS)

(CENTRAL NERVOUS SYSTEM dis.)

MARATKA, Z.; MASEK, K.; BEDNAR, B.; KRUHIL, J.

Comparison of results of gastric acidity and secretion tests with results of biopsy tests in the diagnosis of gastritis. Cesk. gastroent. vyz. 15 no.4:276-281 Je '61.

1. II vnitřní oddělení, Ústřední laborator a Patologickoanatomické oddělení nemocnice na Bulovce, I. patologickoanatomický ústav KU v Praze.

(GASTRITIS diag) (BIOPSY) (GASTRIC JUICE)

KRUMIL, J

SURNAME (In caps); Given Names

Country: Czechoslovakia

Academic Degrees:

Affiliation:

Prague, Rozhledy v Tuberkulóza v Hemococh Plicních,
Source: Vol XXI, No 7, August 1961, pp 521-528

Data: "Calcified and Ossified Tuberculomas of the Brain."

Authors:

KRIVINKA, Rudolf, Doc Dr, Institute for Postgraduate Medical Training
(Ústav pro doskolování lékařů), Prague; Department of Tuberculosis

(katedra tuberkulózy), Chief (Prednosta): Doc Dr Rudolf Krivinka;
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KRUMIL, J, Degrees not given, Institute of Public Health (ÚMZ [Ústav
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Chief (Prednosta): Prof Dr Otakar Janota

With the co-operation of R Vojár and J Slanina

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PREROVSKY, I.; LINHART, J.; DEJDAR, R.; SVEJCAR, J.; KROML, J.; VAVREJN, B.

Research on the primary varicose veins and chronic venous insufficiency.
Rev. Czech. med. 8 no.3:171-178 '62.

1. Institute for Cardiovascular Research, Prague-Kroc; Director;
Academician K. Weber.

(VARICOSE VEINS)

(VASCULAR DISEASES) (VEINS)

SNADJDR, V. (Praha 2-Bulovka, VUTb.); TOMANEK, A.; KEMML, J.; BOUBEKOVÁ, H.;
METYS, R.

On the problem of endobronchial chondrohamartomas. Cas. lek.
Cesk. 105 no.2:42-46 14. Ja '66.

1. Vyzkumny ustav tuberkulozy, Praha (reditel doc. dr. R. Krivinka),
Katedra patologické anatomie Ústavu pro doskolování lékařů, Praha
(vedoucí doc. dr. J. Vyklický) a Ústav pro choroby oběhu krevního,
Praha (reditel prof. dr. J. Brod, DrSc.). Submitted June 1965.

L 38416-66 EWP(t)/STI IJP(c) JD/HW
 ACC NR: AP6019922 SOURCE CODE: CZ/0012/66/000/001/0077/0084 35
 AUTHOR: Hermansky, Vojtech-- Grahmanskí, V.; Kruml, Jiri--Kruml', I.
 ORG: Research Institute of Electrotechnical Ceramics, Hradec Kralove
 (Vyzkumny ústav elektrotechnické keramiky)
 TITLE: Notes on thin nickel layers 16
 SOURCE: Silikaty, no. 1, 1966, 77-84
 TOPIC TAGS: thin nickel layer, heat treatment, autocatalysis, reduction
 ABSTRACT: An investigation of nickel electrodes made by autocatalytic reduction from hypophosphite baths was undertaken with an electron microscope, a light microscope, and a high-temperature microscope. Due to the particular phosphorus content, these layers differ in structure and properties from pure nickel layers; heat treatment involves processes which limit the applicability of these layers in thin-layer elements and circuits. Above all, the processes include changes of structure and of the geometrical dimensions of the layers. On the basis of the investigations of heat-treated thin nickel layers made by autocatalytic reduc-

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L 38416-66

ACC NR: AP6019922

tion from hypophosphite baths, it is possible to recommend 400C as the optimum temperature of heat treatment, reached by slow heating. The heat treatment is carried out without keeping this temperature. Under these conditions, minimum adverse phenomena occur. Orig. art. refers to and lists the captions of 10 figures, however reproduces only 3. [KS]
[Based on authors' abstract.]

SUB CODE: 11/ SUBM DATE: 03Jul65/ ORIG REF: 007/ SOV REF: 001/
OTH REF: 004

Card 2/2

KRUMI, V.

Contribution to the discussion on the article "Automation of non-Rotating Power Sources for Welding in the Protective Atmosphere of Argon." p. 43

ZVARANIE. Bratislava, Czechoslovakia. Vol. 8, no. 2, Feb. 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No.9, September 1959
Uncl.

MARATKA, Z.; KRUMLOVA, J.

Cancer of the colon in ulcerative colitis. (1st observation in the
Czechoslovakian Socialist Soviet Republic) Cesk. gastroent. vyz.
15 no.8:612-614 D '62.

1. II. vnitřní oddělení (doc. dr. Z. Maratka) a patologickoanatomické
oddělení (doc. dr. J. Vyklický) nemocnice na Bulovce, Praha 8.
(COLON neoplasms) (COLITIS ULCERATIVE compl)

KRUMM, L. A.

KRUMM, L. A. -- "Methods of Calculating Stationary Operation of Electrical Systems with Primary and Secondary Automatic Frequency Regulation; and the Effect of Electrical Connections on Frequency Regulation." Min Higher Education USSR. Tomsk Order of Labor Red Banner Polytechnic Institute S. M. Kirov. Tomsk, 1955. (Dissertation for the Degree of Candidate of Technical Sciences.)

SO: Knizhnaya letopis'. No. 4, Moscow, 1956

8(0)

SOV/112-59-5-8819

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 58 (USSR)

AUTHOR: Krumm, I. A.

TITLE: Improved Method of Successive Intervals for Determining Changes in the Steady-State Conditions of an Electrical System Responding to Any Symmetrical Perturbance; Allowance Is Made for Static Characteristics of Loads and Generators; Frequency, Voltage, and Power Are Automatically Controlled

PERIODICAL: Tr. Tallinsk. politekhn. in-ta, 1957, Vol A, Nr 125, p 19

ABSTRACT: Within any interval, a change in a parametric vector is considered as a continuous function of a perturbing factor; this results in simplification of calculations in some cases. The rate of change of the steady-state conditions with respect to any perturbing factor can be found in each interval, which permits determining permissible variations of perturbing factors, e.g., in the steady-state stability computations, etc. The overall error and the accumulation of errors are equal to those in the conventional method of successive intervals.

Card 1/1

A.A.K.

8(6)

SOV/112-59-1-567

Translation from: Referativnyy zhurnal: Elektrotehnika, 1959, Nr 1, p 74 (USSR)

AUTHOR: Krumm, L. A.

TITLE: The Use, Labor Consumption and of the Computation Processes of Methods for Calculating
Steady-State
Conditions in Power Systems With . Allowance for Static Load and Generator
Characteristics Under Conditions of Automatic Control of Frequency, Voltage,
and Power

PERIODICAL: Tr. Tallinsk. politekhn. in-ta, 1957, A, Nr 126, p 27

ABSTRACT: Bibliographic entry.

Card 1/1

Krumm, L.A.

Two forms of more general equations for the economic factors
involved in the operation of consolidated electric power systems.
Izv.Sib.otd.AN SSSR no.10:29-36 '59. (MIRA 13:4)

1. Transportno-energeticheskiy institut Sibirskogo otdeleniya
AN SSSR.

(Electric networks)

KRUMM, L.A.

Accuracy of a method for determining economical power system
operation. Izv.Sib.otd,AN SSSR no.11:11-18 '59.
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1. Transportno-energeticheskiy institut Sibirskogo otdeleniya
AN SSSR.

(Electric networks)

KRUMH, L.A.

Additional savings in shifting from the current simplified method to a more general method for determining the economic patterns of consolidated power systems. Izv.Sib.otd.AN SSSR no.12: 34-42 '59. (MIRA 13:5)

1. Transportno-energeticheskiy institut Sibirskogo otdeleniya AN SSSR.

(Electric power production)

KRUM, L.A. (Novosibirsk)

Problem concerning the determination of the optimum performance
of electric power systems. Elektrichestvo no.3:85-87 Mr '62.

~~by the author~~ (MIRA 15:2)
(Electric power distribution)

KRUMM, L.A., kand. tekhn. nauk

Gradient method for optimizing the operation of consolidated
electric power systems. Elektrichestvo no.5:6-13 My '63.
(MIRA 16:7)

1. Sibirskiy energeticheskiy institut Sibirskogo otdeleniya
AN SSSR.

(Electric power distribution)
(Interconnected electric utility systems)

KRUMM, L.A., kand.tekhn.nauk; SYROV, Yu.P., kand.tekhn.nauk

Use of the gradient method in optimizing the operating modes of interconnected power systems containing hydroelectric power stations. Elektrichestvo no.4:20-26 Ap '64. (MIRA 17:4.)

1. Sibirskiy energeticheskiy institut Sibirskogo otdeleniya AN SSSR.

KUZNETSOV, Yu.A.; MAKAROV, A.A.; MELENT'YEV, L.A.; MERENKOV, A.P.; NEKRASOV, A.S.; TSVETKOV, N.I.; KUZNETSOV, Yu.A.; MAKAROVA, A.S.; KARPOV, V.G.; MANSUROV, Yu.V.; SYROV, Yu.P.; KHARILEV, L.S.; TSVETKOVA, L.A.; VOYTSEKHOVSKAYA, G.V.; YEFIMOV, N.T.; LEVENTAL', G.B.; KHANAYEV, V.A.; BELYAYEV, L.S.; GAMT, A.Z.; KARTELEV, B.G.; KRUM, L.A.; LIPO, T.N.; SVIRKUNOV, N.N.; DRUZHININ, I.P.; KONOVALENKO, Z.P.; KHAM'YANOVA, N.V.; SHVARTSBERG, A.I.; NIKONOV, A.P.; STARIKOV, L.A.; POPIRIN, L.S.; PSHENICHENOV, N.N.; TROSHINA, G.M.; CHEL'TSOV, M.B.; SVETLOV, K.S.; SUMAROKOV, S.V.; TAKAYSHVILI, M.K.; TOLMACHEVA, N.I.; KHASILEV, V.Ya.; KOSHELEV, A.A.; KUDINOVA, L.I., red.

[Methods for using electronic computers in the optimization of power engineering calculations] Metody primeneniia elektronno-vychislitel'nykh mashin pri optimizatsii energeticheskikh raschetov. Moskva, Nauka, 1964. 318 p.

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1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Energeticheskii institut. 2. Chlen-korrespondent AN SSSR (for Melent'yev).

KRUMM, L.A. (Irkutsk); SYROV, Yu.P. (Irkutsk)

Methods for the overall optimization of daily and prolonged
operation of unified power systems containing hydroelectric
power plants. Izv. AN SSSR. Energ. i transp. no.1:13-17
Ja-F '65. (MIRA 18:4)

KRUMM, L.A. (Irkutsk); SYROV, Yu.P. (Irkutsk)

Method for overall optimization of daily and long-term modes
of operation of unified power systems with hydroelectric power
stations. Part 2. Izv. AN SSSR. Energ. i transp. no.2:32-42
Mr-Apr '65. (MIRA 18:6)

KRUMM, L.A., kand. tekhn. nauk

Gradient method for optimizing the operation of unified electric
power systems. Elektrichestvo no.6:88-89 Jo '65. (MIRA 18,7)

KRUMM, L.A. (Irkutsk)

Generalization of a gradient method for optimizing the conditions
of power system consolidation. Izv. AN SSSR. Energ. i transp.
no.3:3-16 My-Je '65. (MIRA 18:12)

1. Submitted December 23, 1964.

L 24079-66 EMT(1)
ACC NR: RP6014965

SOURCE CODE: UR/0281/65/000/001/0003/0017

AUTHOR: Krumm, L. A. (Irkutsk); Syrov, Yu. P. (Irkutsk)

29
B

ORG: none

TITLE: Methods of complex optimization of daily and long term operation conditions of combined power systems including hydroelectric stations

SOURCE: AN SSSR. Izvestiya. Energetika i transport, no. 1, 1965, 3-17

TOPIC TAGS: hydroelectric power plant, dynamic programming

ABSTRACT: The article includes a brief survey of literature on methods of optimization of operating conditions for combined power systems containing hydroelectric stations. The necessity of further study in the area of complex optimization of the daily and long-term operating conditions of such systems is shown. The gradient method and the gradient method combined with the group relaxation method and the principle of dynamic programming are used as a basis in the analysis of methods of optimization of the daily operating regimes of such systems and their sections. Orig. art. has: 6 formulas. [JPRS]

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Card 1/1 *pla*

UDC: 621.311.1.003

KRUMHINS, J.

GENERAL

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KRUMHINS, J. Rotation of conducting a wall in conducting viscous liquid in the presence of a magnetic field. In Russian. p. 97

Monthly list of East European Accessions (EEA⁺) LC, Vol. 8, No. 2,
February 1959, Unclass.

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Quality of steel for cold-drawing and cold-pressing. p. 5.
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SO: Monthly List of East European Association, (EAL), 10, Vol. 4, No. 11,
Nov. 1955, Uncl.

KRUMNIK, F.

Contribution of the production of steel for ball bearings in basic furnaces
by the Martin process. p. 165.
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REUCLIFE, P.

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KRUPNICKI, F.

"Quality of rimmed steel produced in oxygen-blast converter of high-phosphorus pig iron."

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Informations on metallurgy. Hut listy 16 no.1:68-72 Ja '61.

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VYSTYD, M.; JENICEK, L.; LIKES, Jiri; HRANOS, Zd., inz.

Informations on metallurgy. Hut listy 16 no.3:217-227 Mr '61.

PURKOCCHAR, Z., inz.; CHVATAL, V., inz.; BECVAR, J.; KRUMTIKL, Fr., inz.;
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Information on metallurgy. Hut listy 16 no.4:293-303 Ap '61.

PUNCOCHAR, Z.; DEDEK, Vlad., inz.; KECLIK, V., inz.; KRUMNIKL, F.; TEINDL, J.;
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KRUMNIK, F.; HOREJS, S., inz.; TEINDL, J.; SESTAK, B.

Information on metallurgy. Hut listy 16 no.8:596-605 Ag '61.

PUNCOCHAR, Z., inz.; JICINSKY, J., dr., inz.; HANCL, J.; BECVAR, J.; STROBL, L.;
KARNOVSKY, inz.; KLIKA, R.; KRUMNIKL, Fr., inz.; SORAL, J., inz.;
TEINDL, J.; VRBENKA, inz.

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KRUMNIK, Frantisek, inz.; BAUER, J., inz.; SORAL, J., inz.;
HORAK, J., dr., inz.; PEDLIK, M., inz.

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KRUMNICK, H.

Dust removal from the flue gases of a sintering plant. p. 74. (Hutník,
Vol. 7, No. 3, Mar 1957, Praha, Czechoslovakia)

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